

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

OCT 05 2015

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company: BP	Contact: Jeff Peace
Address: 200 Energy Court, Farmington, NM 87401	Telephone No.: 505-326-9479
Facility Name: Schwedtfeger A 1E	Facility Type: Natural gas well

Surface Owner: Federal	Mineral Owner: Federal	API No. 3004525446
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LOCATION OF RELEASE

Unit Letter L	Section 36	Township 28N	Range 9W	Feet from the 1,750	North/South Line South	Feet from the 990	East/West Line West	County: San Juan
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Latitude 36.61642 Longitude 107.74549

NATURE OF RELEASE



Type of Release: condensate/ oil	Volume of Release: unknown	Volume Recovered: none
Source of Release: below grade tank – 21 bbl, Tank C	Date and Hour of Occurrence: unknown	Date and Hour of Discovery: November 4, 2008; 4:15 PM
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* Sampling of the soil beneath the BGT was done during removal to ensure no soil impacts from the BGT. Soil samples collected for laboratory analysis from below the BGT resulted in BTEX and chloride below standards. TPH resulted in 114 ppm via method 418.1. Analysis results are attached.

Describe Area Affected and Cleanup Action Taken.* BGT was removed and the area underneath the BGT was sampled. Sampling results indicate no significant impacts exist given a TPH concentration of 114 ppm via method 418.8. The excavated area was backfilled and compacted and is still within the active well area.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Steve Moskal	Approved by Environmental Specialist: 	
Title: Field Environmental Coordinator	Approval Date: <u>4/28/17</u>	Expiration Date:
E-mail Address: steven.moskal@bp.com	Conditions of Approval: <u>—</u>	Attached <input type="checkbox"/>
Date: October 1, 2015	Phone: 505-326-9497	

* Attach Additional Sheets If Necessary

#NCS1525853902

(9)

CLIENT: BP	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	API #: 3004525446
FIELD REPORT: BGT CONFIRMATION TEMP. PIT CLOSURE / RELEASE INVESTIGATION <small>(other)</small>		PAGE No: 1 of 1
SITE INFORMATION: SITE NAME: SCHWERTDFEGER A # 1E QUAD/UNIT: L SEC: 36 TWP: 28N RNG: 9W PM: NM CNTY: SJ ST: NM QTR-QTR/FOOTAGE: 1,750'S / 990'W NW/SW LEASE TYPE: FEDERAL STATE / FEE / INDIAN LEASE #: SF079319 PROD. FORMATION: DK CONTRACTOR:		DATE STARTED: 11/04/08 DATE FINISHED: ENVIRONMENTAL SPECIALIST: JCB
REFERENCE POINT: WELL HEAD (W.H.) GPS COORD.: 36.61625 X 107.74548 GL ELEV.: 5,906'		
1) 95 BGT (SW/DB) GPS COORD.: 36.61590 X 107.74553 DISTANCE/BEARING FROM WH: 102', S7W 2) 21 BGT (SW/DB) GPS COORD.: 36.61642 X 107.74549 DISTANCE/BEARING FROM WH: 69', N15E 3) GPS COORD.: DISTANCE/BEARING FROM WH: 4) GPS COORD.: DISTANCE/BEARING FROM WH: 5) GPS COORD.: DISTANCE/BEARING FROM WH:		
LAB INFORMATION: CHAIN OF CUSTODY RECORD(S): ENVIROTECH		
1) SAMPLE ID: 95 BGT 5-pt. @ 4' SAMPLE DATE: 11/04/08 SAMPLE TIME: 1545 LAB ANALYSIS: 418.1/8021B/300.0 (CI) 2) SAMPLE ID: 21 BGT 5-pt. @ 5' SAMPLE DATE: 11/04/08 SAMPLE TIME: 1615 LAB ANALYSIS: 418.1/8021B/300.0 (CI) 3) SAMPLE ID: SAMPLE DATE: SAMPLE TIME: LAB ANALYSIS: 4) SAMPLE ID: SAMPLE DATE: SAMPLE TIME: LAB ANALYSIS: 5) SAMPLE ID: SAMPLE DATE: SAMPLE TIME: LAB ANALYSIS:		
SOIL DESCRIPTION: SOIL TYPE: SAND SILTY SAND SILT / SILTY CLAY / CLAY / GRAVEL / OTHER SOIL COLOR: DARK YELLOWISH ORANGE COHESION (ALL OTHERS): NON COHESIVE SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE CONSISTENCY (NON COHESIVE SOILS): LOOSE FIRM DENSE / VERY DENSE PLASTICITY (CLAYS): NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC DENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARD MOISTURE: DRY SLIGHTLY MOIST MOIST / WET / SATURATED / SUPER SATURATED ADDITIONAL COMMENTS:		DISCOLORATION/STAINING OBSERVED: YES NO EXPLANATION - HC ODOR DETECTED: YES NO EXPLANATION - SAMPLE TYPE: GRAB COMPOSITE # OF PTS. 5
ESTIMATED IMPACTED SOIL DIMENSIONS: NA ft. X NA ft. X NA ft.		estimated impacted cubic yards calculated: NA
SITE SKETCH 		PLOT PLAN circle: Attached MISCELL. NOTES SW - SINGLE WALLED DB - DOUBLE BOTTOM 95 BGT - SIDEWALLS NOT VISIBLE 21 BGT - SIDEWALLS VISIBLE
NOTES: BGT = BELOW GRADE TANK; E.D. = EXCAVATION DEPRESSION; B.G. = BELOW GRADE; B = BELOW; T.H. = TEST HOLE; ~ = APPROX.; T.B. = TANK BOTTOM; PBGTL = PREVIOUS BELOW GRADE TANK LOCATION; SPD = SAMPLE POINT DESIGNATION; R.T. = RETAINING WALL.		MAGNETIC DECLINATION @ 13.5°E
TRAVEL NOTES: CALLOUT: _____		ONSITE: 11/04/08



EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	Blagg/BP	Project #:	94034-0010
Sample ID:	21 BGT 5-pt @ 5'	Date Reported:	11-11-08
Laboratory Number:	48071	Date Sampled:	11-04-08
Chain of Custody No:	5708	Date Received:	11-05-08
Sample Matrix:	Soil	Date Extracted:	11-10-08
Preservative:	Cool	Date Analyzed:	11-10-08
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	114	5.0

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Schwerdtfeger A #1E.**

Analyst

Review



EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	Blagg/BP	Project #:	94034-0010
Sample ID:	21 BGT 5-pt @ 5'	Date Reported:	11-11-08
Laboratory Number:	48071	Date Sampled:	11-04-08
Chain of Custody:	5708	Date Received:	11-05-08
Sample Matrix:	Soil	Date Analyzed:	11-10-08
Preservative:	Cool	Date Extracted:	11-07-08
Condition:	Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	1.0	0.9
Toluene	6.3	1.0
Ethylbenzene	1.6	1.0
p,m-Xylene	4.1	1.2
o-Xylene	2.6	0.9
Total BTEX	15.6	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Schwerdtfeger A #1E

Analyst

Review



Chloride

Client:	Blagg/BP	Project #:	94034-0010
Sample ID:	21 BGT 5-pt @ 5'	Date Reported:	11-11-08
Lab ID#:	48071	Date Sampled:	11-04-08
Sample Matrix:	Soil	Date Received:	11-05-08
Preservative:	Cool	Date Analyzed:	11-11-08
Condition:	Intact	Chain of Custody:	5708

Parameter	Concentration (mg/Kg)
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Total Chloride

25.0

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983,
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Schwerdtfeger A #1E.**

Analyst

Review



EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS
QUALITY ASSURANCE REPORT

Client:	QA/QC	Project #:	N/A
Sample ID:	QA/QC	Date Reported:	11-11-08
Laboratory Number:	11-10-TPH.QA/QC 48070	Date Sampled:	N/A
Sample Matrix:	Freon-113	Date Analyzed:	11-10-08
Preservative:	N/A	Date Extracted:	11-10-08
Condition:	N/A	Analysis Needed:	TPH

Calibration	I-Cal Date	C-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
	11-03-08	11-10-08	1,420	1,520	7.0%	+/- 10%

Blank Conc. (mg/Kg)
TPH

Concentration
ND

Detection Limit
12.5

Duplicate Conc. (mg/Kg)
TPH

Sample	Duplicate	% Difference	Accept. Range
17.1	21.6	26.3%	+/- 30%

Spike Conc. (mg/Kg)
TPH

Sample	Spike Added	Spike Result	% Recovery	Accept Range
17.1	2,000	1,710	84.8%	80 - 120%

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: QA/QC for Samples 48070, 48071, 48073 and 48078 - 48083.

Analyst

Unito B...

Review

Christian W...



EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	11-10-BT QA/QC	Date Reported:	11-11-08
Laboratory Number:	48081	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	11-10-08
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF	O-Cal RF	%Diff.	Blank Conc	Detect. Limit
		Accept. Range 0 - 15%			
Benzene	4.5273E+007	4.5364E+007	0.2%	ND	0.1
Toluene	3.2430E+007	3.2495E+007	0.2%	ND	0.1
Ethylbenzene	2.4894E+007	2.4944E+007	0.2%	ND	0.1
p,m-Xylene	5.4942E+007	5.5052E+007	0.2%	ND	0.1
o-Xylene	2.4877E+007	2.4927E+007	0.2%	ND	0.1

Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect. Limit
Benzene	6.2	6.4	3.2%	0 - 30%	0.9
Toluene	93.0	92.5	0.5%	0 - 30%	1.0
Ethylbenzene	11.3	11.2	0.9%	0 - 30%	1.0
p,m-Xylene	50.2	50.9	1.4%	0 - 30%	1.2
o-Xylene	113	112	0.4%	0 - 30%	0.9

Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	6.2	50.0	55.2	98.2%	39 - 150
Toluene	93.0	50.0	141	98.3%	46 - 148
Ethylbenzene	11.3	50.0	59.3	96.7%	32 - 160
p,m-Xylene	50.2	100	147	97.9%	46 - 148
o-Xylene	113	50.0	160	98.0%	46 - 148

ND - Parameter not detected at the stated detection limit.

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996

Comments: QA/QC for Samples 48043 - 48047, 48070 - 48072, 48081, and 48082.

Analyst

Review

CHAIN OF CUSTODY RECORD

5708

Client: <u>BLAGG/BP</u>			Project Name / Location: <u>SCHWEDTFEGER A #1E</u>			ANALYSIS / PARAMETERS													
Client Address:			Sampler Name: <u>JEFF BLAGG</u>			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	PAH	TPH (418.1)	CHLORIDE			Sample Cool	Sample Intact
Client Phone No.:			Client No.: <u>94034-010</u>																
Sample No./ Identification	Sample Date	Sample Time	Lab No.	Sample Matrix	No./Volume of Containers	Preservative H ₂ O ₂ HCl													
45 BLT S-P-E-C-I	11/4/04	1545	48070	Soil Solid	Sludge Aqueous	1-406									X	X			X
				Soil Solid	Sludge Aqueous														
21 BLT S-P-E-C-I	11	1615	48071	Soil Solid	Sludge Aqueous	11									X	X			X
				Soil Solid	Sludge Aqueous														
				Soil Solid	Sludge Aqueous														
				Soil Solid	Sludge Aqueous														
				Soil Solid	Sludge Aqueous														
				Soil Solid	Sludge Aqueous														
				Soil Solid	Sludge Aqueous														
				Soil Solid	Sludge Aqueous														
				Soil Solid	Sludge Aqueous														
Relinquished by: (Signature) <u>Jeff Blagg</u>						Date	Time	Received by: (Signature) <u>Kendall Agostino</u>						Date	Time				
Relinquished by: (Signature)								Received by: (Signature)											
Relinquished by: (Signature)								Received by: (Signature)											

ENVIROTECH INC.

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505-632-0615

505-947-9900

BP AMERICA PRODUCTION COMPANY
SCHWERDTFEGER A 001E

API 3004525446 LEASE NMSF079319
1750 FSL 990 FWL (L) SEC 36 T28N R9W
San Juan County ELEV 5906

LAT 36° 36' 58.464"

LONG 107° 44' 43.764"

